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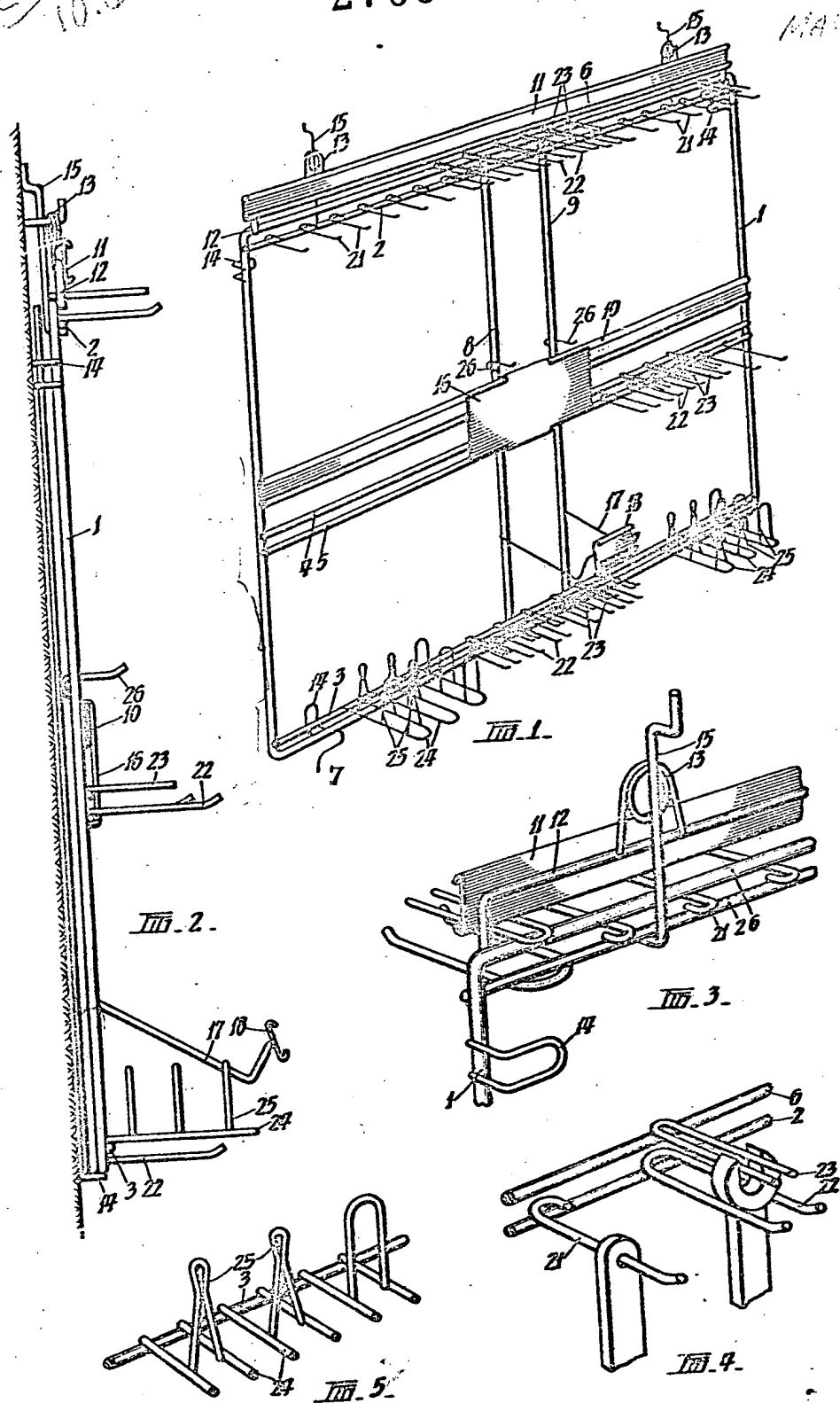
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1967

MAY 1967





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33,302/63

COMMONWEALTH OF AUSTRALIA

PATENT SPECIFICATION

Application Number 33,302/63.
Lodged 23rd July, 1963,
Accompanied by a Provisional
Specification.

Class

54.7.

Int. Cl.

A47f.

Complete Specification
Entitled **DEVICE FOR DISPLAYING TOOLS FOR SALE.**

AUSTRALIA
DIV. 250

CE 211

Lodged 21st July, 1964.
Accepted 8th May, 1967.
Published 27th January, 1966.

Convention Priority -

Applicant **SIDDONS INDUSTRIES LIMITED.**

Actual Inventor **JOHN CRAVEN BARNES.**

Related Art:	207,162(15,953/56)	54.7; 78.9; 58.4.
	242,635(62,432/60)	54.7; 78.2.
	248,400(54,494/59)	54.7.

The following statement is a full description of this invention, including the best method of performing it known to US :

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THIS INVENTION relates to a device for displaying tools for sale, and it refers particularly, though not solely, to a device for displaying tools such as spanners or wrenches.

The invention has been devised particularly with the object of providing a device for displaying tools such as spanners or wrenches so that such tools may be supported in such manner that they will be readily visible and easily accessible for sale. Another object is to provide a device for displaying tools such as spanners or wrenches wherein the tools will be so held that they cannot slip between the holding devices and fall to the floor.

Another object of the invention is to provide a display device wherein the means for holding the spanners or wrenches are so constructed and arranged that the spanners or wrenches may be conveniently placed in position or removed therefrom as required.

According to this invention there is provided a display rack having a frame arranged to be mounted substantially vertically incorporating several substantially horizontal members on at least one of which is attached means comprising a plurality of pairs of supporting arms to support open jawed spanners, and mounted immediately above said pairs of arms, and attached to the frame retaining for engagement within the open jaws of said spanners to prevent spanners from twisting and thus slipping between the said arms. It is preferred that the arms be made of wire - as U-shaped members fastened at their curved ends to a transverse bar so as to extend substantially horizontally therefrom - with the members for preventing twisting fastened to a further transverse bar above the first - mentioned bar.

Also provided in the invention is the provision of a display rack wherein the means for holding socket spanners comprises at least one base member fastened in a substantially horizontal position and having attached to it several upwardly-extending members adapted to hold socket spanners in position.

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four
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is preferred that the upstanding member be of tapered construction and that there be several of them - as three or four - on each base member.

According to one aspect of the invention there is provided a display rack including several substantially horizontal members on at least one of which is arranged a plurality of pairs of arms, the arms of each pair being spaced apart and arranged to support one or more spanners and mounted immediately above the pairs of arms, retaining members extending in the same direction as the pairs of arms and being spaced substantially midway between the said arms. The said retaining members being arranged to engage in the jaws of spanners supported by said pair of arms so as to prevent said spanners from twisting relative to the said supporting arms and thus slipping between them.

It is preferred that there be attached to another transverse member a number of base members, each consisting of a substantially U-shaped length of wire fastened to the transverse member at the ends of the wire, and several upstanding members fastened thereto, each of the upstanding members preferably consisting of a somewhat inverted-shaped length of wire fastened at its lower ends to the base member.

These latter members are adapted to support socket spanners in upstanding or near vertical position.

In order that the invention may be readily understood and conveniently put into practical form we shall now describe, with reference to the accompanying illustrative drawings, a preferred construction of display rack or stand made according to the invention. In these drawings:

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- Fig. 1 is a perspective view of the display rack;
 Fig. 2 is an end view of the rack, on enlarged scale;
 Fig. 3 shows the upper right hand corner of the rack from the rear;
 Fig. 4 illustrates the manner in which spanners are suspended from the rack; and
 Fig. 5 is a detail view of the supports for socket spanners.

The display device illustrated in these drawings has a frame 1 made of a length of wire formed to rectangular shape, with its opposite ends welded to constitute a closed structure. Fastened to that frame 1 are transverse bars 2, 3, 4 and 5, the top bar 2 being spaced a short distance below the upper bar 6 of the frame 1, the lower bar 3 being fastened a short distance above the lower bar 7 of the frame, and the intermediate bars 4 and 5 being fastened to the frame at an intermediate position, the bars of each pair 2 and 6, 3 and 7, and 4 and 5 being spaced apart vertically about the same distance. Upright bars 8 and 9 are attached to the upper and lower bars 6 and 7 of the frame so as to extend between them, and they are also attached to the several transverse bars 2, 3, 4 and 5 so as to provide an intermediate support for said transverse bars. A channel-shaped member 10 is attached to the frame 1 a short distance above the intermediate pair of transverse bars 4 and 5 and a second channel member 11 is attached to the frame 1 by short leg pieces 12 so as to extend transversely a short distance above the upper bar 6 of the said frame, these two channel members 10 and 11 being adapted to receive price tags or name plates.

The mounting means for the frame consist of a pair of rings 13 fastened to the upper channel member 11, said rings enabling the frame to be conveniently suspended from a suitable support, and short foot members 14 attached to the lower bar 7 and opposite ends of the frame 1, the foot members 14 acting to hold the frame a suitable distance



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from the support from which the device is suspended. They also act to hold in position a rectangular back plate, which may bear advertising material or other printed matter.

Fastened to the upper bar 6 of the frame are two upstanding arms 15 for holding in position a head board of any desired shape.

A name plate 16 is conveniently attached to the lower channel member 10 and to the transverse bar 5, and a ~~name member~~ number 17 for supporting a box or display carton is attached to the two upright bars 8 and 9, said member 17 having a mounting 18 for a nameplate or price tag at its outer end.

Fastened to the upper transverse bar 2 are a number of J-shaped members 21, the curved ends of said members 21 being secured to the bar 2 as by welding so that the longer arms thereof extend outwardly from the frame. The extreme or outer ends of these members are curved upwardly a small amount. These members are attached to the ^{bar 2} ~~frame~~ in suitable

spaced relationship and constitute finger members usable for suspending spanners having holes in the end portions of

their handles or for suspending ring spanners. Also attached to the upper transverse bar 2 are a number of substantially U-shaped supporting members 22, the curved ends of which are attached to the bar 2 as by welding so that the arms thereof extend outwardly. These U-shaped

members are of different widths, being made to suit different sizes of open-jaw spanners with the arms of said members 22 being spaced apart a suitable distance to support the heads or jaws of the spanners, and they are of such length that a number of open-jaw spanners may be supported by them. Fastened to the upper bar 6 of the frame, one above each of the U-shaped members 22 are a number of somewhat similar members 23 - that is to say, of U-shape



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of member
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which are narrower and adapted to engage in the open
jaws of the spanners. These members 23 are so located
that when a spanner is supported by a U-shaped support
member 22 the corresponding member 23 will engage in
the jaw of the spanner and prevent said spanner from
twisting, thereby restraining said spanner from falling
from the support member 22. The outer ends of the arms
of said support members 22 are also curved upwardly a
small amount, similar to the ends of the members 21.

There are provided a number of these U-shaped
support members 22, and a corresponding number of retaining
members 23, and as shown they are located in the middle
part of the transverse bar 7 and upper bar 6, with the
J-shaped support members 21 located on opposite sides
thereof.

Two sets of U-shaped support members 22 and
J-shaped support members 21 are fastened to the transverse
bar 5, and for each of the members 22 there is a retaining
member 23 fastened to the bar 4, for the purpose as
described above.

Fastened to the lower transverse bar 3 are two
sets of members for holding socket spanners. Each of said
members consists of a somewhat U-shaped member 24 which is
fastened at the ends of its two arms to the transverse
bar 3 and a number of upwardly extending, somewhat
inverted-V-shaped members 25. Each of these upwardly
extending members is adapted to hold in position one
socket spanner.

Several support members 26 are attached to the
upright bars 8, 9 of the display device, immediately above
the name plate 16.

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It will be appreciated that the device may be provided with any suitable number of transverse bars, or transverse pairs of bars, each having a suitable arrangement of members for holding spanners, and members for preventing the spanners from twisting. Also, there may be provided members for supporting socket spanners on the intermediate transverse bar and/or on the upper transverse bar, as required. Further, there may be provided any other suitable means for attaching the device to a support.

All such modifications as come within the broad scope of the invention as defined by the appended claims are to be deemed to be included within the ambit of the invention.

The claims defining the invention are as follows:

1. A display rack having a frame arranged to be mounted substantially vertically incorporating several substantially horizontal members on at least one of which is attached means comprising a plurality of pairs of supporting arms to support open jawed spanners, and mounted immediately above said pairs of arms, and attached to the frame retaining members for engagement within the open jaws of said spanners to prevent said spanners from twisting and thus slipping between the said arms.

(23rd July, 1963).

2. A display rack as claimed in Claim 1 wherein the pairs of arms are in the form of substantially U-shaped members attached at their base portions to a horizontal member.

(23rd July, 1963).

3. A display rack as claimed in Claim 1 or Claim 2 wherein the retaining members are in the form of substantially U-shaped members attached at their base portions to a horizontal member so as to extend immediately above the spanner-supporting members.

(23rd July, 1963).

4. A display rack as claimed in any one of the preceding claims wherein in addition to the means for supporting open-jaw spanners there are means comprising outwardly extending finger members from the frame for supporting tools having means for engagement with said finger members. (23rd July, 1963).

5. A display rack as claimed in any one of the preceding claims wherein in addition to the said means for supporting spanners there are means for supporting socket spanners.

(23rd July, 1963).

6. A display rack as claimed in Claim 5 wherein the means for supporting socket spanners consist of a base member fastened to the frame so as to extend substantially